

# FLY-75V

**iNetVu**<sup>®</sup>  
by C-COM Satellite Systems Inc.

## TECHNICAL SPECIFICATIONS

The iNetVu<sup>®</sup> FLY-75V Flyaway Antenna is a 75 cm satellite antenna system which is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu<sup>®</sup> 7710 Controller providing fast satellite acquisition within minutes, anytime anywhere. It can be assembled in 10 minutes by one person.

"Authorized for use on ViaSat Exede<sup>®</sup> Enterprise and on KA-SAT NEWSPOTTER NEWSGATHERING service by Eutelsat\*"



### Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm now supports both type of Transceivers: Standard Tria and new eTRIA
- Designed to work with the iNetVu<sup>®</sup> 7710 Controller
- Works seamlessly with the world's emerging commercial ViaSat/KA-SAT satellite Surfbeam II/PRO Auto-acquire modems
- Auto beam select on KA-SAT Tooway services
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 2 ruggedized cases
- Supports Skyware Global 75 cm Ka antenna
- Standard 2 year warranty



### Application Versatility

If you operate in Ka-band, the FLY-75V system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation Flyaway Ka terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

\* [http://www.eutelsat.com/files/contributed/support/pdf/Eutelsat\\_Broadband\\_Services.pdf](http://www.eutelsat.com/files/contributed/support/pdf/Eutelsat_Broadband_Services.pdf) (p.14)



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[www.c-comsat.com](http://www.c-comsat.com)

Specifications are subject to change

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### Mechanical

Reflector	75cm Elliptical Antenna, offset feed
Platform Geometry	Elevation over Azimuth
Deployment Sensors	GPS antenna Compass ± 2° Tilt sensor ± 0.1°
Azimuth	± 175°
Elevation	0 - 90°
Polarization	Circular, Auto-switching
Elevation Deploy Speed	Variable, 3°/sec typ.
Azimuth Deploy Speed	Variable 3°/sec typ.
Peaking Speed	0.1°/sec

### Environmental

Wind loading	
Operational (no ballast)	50 km/h (30 mph)
Operational (with ballast)	72 km/h (45 mph)
Temperature	
Operational	-30° to 60° C (-22° to 140° F)
Survival	-40° to 65° C (-40° to 149° F)

Thermal Test per MIL-STD-810F, Method 501.4/502.4, High/Low Temperatures  
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked  
Shock Test per IEC 60068-2-27, Appendix A, Water Ingress Rating: IP-66

### Electrical

Rx & Tx Cable	Single IFL, RG6 cable - 10 m (33 ft)	
Control Cables		
Standard	10 m (33 ft) Ext. Cable	
Optional	up to 60 m (200 ft) available	
	<b>Receive</b>	<b>Transmit</b>
Frequency (GHz)	18.30 - 20.20	28.10 - 30.00
Feed Interface (Circular)	RG6	RG6
Nominal G/T	17.5 dB/K	
Nominal EIRP	48.4 dBW	

### RF Interface

Radio Mounting	Feed Arm
Coaxial	RG6U from transceiver to tripod base

### Physical

Case 1: Tripod/Reflector	L: 85 cm (33.5") H: 29 cm (11.5")	W: 85 cm (33.5") 32 Kg
Case 2: Controller/AZ/EL	L: 44.5 cm (17.5") H: 38 cm (15.5")	W: 80 cm (31.5") 32 Kg

### Motors

Electrical Interface	24VDC	8 Amp (Max.)
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### Shipping Weights & Dimensions\*

Case 1: 85 cm x 85 cm x 29 cm (33.5" x 33.5" x 11.5"); 32 kg

Case 2: 44.5 cm x 80 cm x 38 cm (17.5" x 31.5" x 15.5"); 32 kg

\* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements